

WHAT IS CLAIMED IS:

1. A steel-framed building using section steels for a column and a beam, wherein section steels having the same cross sections are used for
5 the column and the beam,
a beam-side joint for joining an end of the column to the beam,
and a column-side joint for joining an end of the beam to the column, and
the same members are used as both a reinforcing member
disposed at a cross section of the beam as a beam-side joint, and a
10 reinforcing member disposed at a the cross section of the column as a
column-side joint.
2. A steel-framed building according to claim 1, wherein
in the beam-side joint, the reinforcing member is jointed within
15 the cross section of the beam by a bolt, and an end of the column is joined
with the reinforcing member by a bolt,
in the column-side joint, the reinforcing member is joined in the
cross section of the column by a bolt, and an end of the beam is jointed to
the reinforcing member by a bolt.
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3. A joint structure of a column-side joint for joining an end of a
beam to a column, wherein
a reinforcing member is joined in a cross section of the column
by a bolt, and an end of the beam is joined with the reinforcing member
25 by a bolt.
4. A joint structure of a column and a beam according to claim 3,

the reinforcing member having end plates at its opposite ends,
and a connecting member for connecting the end plates to each other,
the end plate on one end side being joined with one of the flanges of the
column by a bolt, and the end plate on the other end side being joined
5 with the other flange of the column by a bolt.

5. A joint structure of a column and a beam according to claim 4,
the connecting member having a groove-type plate disposed at a
central portion and stiffener plates disposed at left and right opposite
10 sides,

inner surfaces of left and right end plates being welded to
opposite sides of one end side of the groove-type plate, and inner
surfaces of left and right end plates being welded to opposite sides of the
other end side of the groove-type plate,

15 an outer surface of the left end plate being welded to a side of
the one end side of the left stiffener plate, and an outer surface of the left
end plate being welded to a side of the other end side of the left stiffener
plate,

an outer surface of the right end plate being welded to a side of
20 the one end side of the right stiffener plate, an outer surface of the right
end plate being welded to a side of the other end side of the right
stiffener plate.

6. A joint structure of a column and a beam according to claim 4,
25 wherein

the groove-type plate has an X-shaped strengthening rib.

7. A steel-framed building according to claim 1, wherein
- a bolt-mounting hole is previously provided in each of the planned portions of a plurality of beam-side joints or column-side joints preset in a longitudinal direction of the beam or column, selected one of
- 5 the plurality of planned portions is employed as a beam-side joint or column-side joint of this time.